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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=6; day=13; hr=11; min=10; sec=18; ms=170;]

=====

Reviewer Comments:

For SEQ ID # 1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 18, 19, 20, 21, 22, 23
24, 25, 26, and 27

<400> 1

tcattggaaa acgttcttcg gggc

The total number of bases per line must be included at the end of each line in the sequence. The final total must match the length given in numeric identifier <211>.

<210> 3

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Oligopeptide

<400> 3

Ser Ile Ile Asn Phe Glu Lys Leu

24

30

1/6

For SEQ ID # 3, amino acid sequences must be numbered under every fifth amino acid starting at 1. Please remove extra information found between SEQ ID # 3 and SEQ ID # 4.

For SEQ ID # 4, 5, 6, 7, 8, 10, 12, 13, 14, 16, 17, 18.

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 4

tccatgacgt tcctgatgct

Please remove the extra spacing between numeric identifier <220> and <223>.

For SEQ ID # 2, 19, 20, 21, 22, 23, 24, 25, 26.

<210> 2

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 2

accgatgacg tcgccggtga cggcaccacg

Please align numeric identifier <211> with the others to the left.

For SEQ ID # 8,

<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 8

gattgcctga cgtcagagag

20

20

20

20

20

2/6

<210> 9

Please remove all the spacing and extra material between SEQ ID # 8 and
SEQ ID # 9.

For SEQ ID # 14.

<210> 14

18

18

20

20

3/6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 14

agcggggggcg agcggggggcg 20

Please remove spacing and extra information between numeric identifier
<210> and <211>.

For SEQ ID # 15.

<210> 15

equence

<211> 24

<212> DNA

<213> Artificial

<220>

<223> Synthetic Oligonucleotide

<400> 15

tacttttcagt ttcattattac tcta 24

Please remove "equence" from the above sequence. Also, remove any extra
spacing.

For SEQ ID # 19.

<210> 19
<211> 20
<212> DNA
20

4/6
<213> Artificial Sequence
<220>
<223> Synthetic Oligonucleotide

<400> 19
ctgatttccc cgaaatgatg

Please remove spacing and extra information between numeric identifier
<212> and <213>.

For SEQ ID # 24.

<210> 24
<211> 20
<212> DNA
<213> Artificial Sequence
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20
20
20
20
5/6
<223> Synthetic Oligonucleotide

<400> 24
atatagggga aatttcagc

Please remove spacing and extra information between numeric identifier
<220> and <223>.

For SEQ ID # 27.

<210> 27
<211> 26
<212> DNA
<213> Artificial Sequence
<220>
<223> Synthetic Oligonucleotide

<400> 27
ctctgacgtc aggggaaatt tccagc
20
20
20
26
6/6

Please remove extra information after the end of the sequence.

Application No: 10811226 Version No: 2.0

Input Set:**Output Set:**

Started: 2008-05-19 13:46:26.804
Finished: 2008-05-19 13:46:30.379
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 575 ms
Total Warnings: 27
Total Errors: 36
No. of SeqIDs Defined: 27
Actual SeqID Count: 27

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 24 SEQID(1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 30 SEQID(2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
E 323	Invalid/missing amino acid numbering SEQID (3)at Protein (1)
E 323	Invalid/missing amino acid numbering SEQID (3) POS (1)
E 323	Invalid/missing amino acid numbering SEQID (3)at Protein (5)
E 321	No. of Bases conflict, this line has no nucleotides SEQID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(4)
W 402	Undefined organism found in <213> in SEQ ID (5)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(5)
W 402	Undefined organism found in <213> in SEQ ID (6)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(6)
W 402	Undefined organism found in <213> in SEQ ID (7)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(7)

Input Set:

Output Set:

Started: 2008-05-19 13:46:26.804
Finished: 2008-05-19 13:46:30.379
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 575 ms
Total Warnings: 27
Total Errors: 36
No. of SeqIDs Defined: 27
Actual SeqID Count: 27

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (8)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(8)
E 323	Invalid/missing amino acid numbering SEQID (8) POS (1)
E 323	Invalid/missing amino acid numbering SEQID (8)at Protein (5)
E 321	No. of Bases conflict, this line has no nucleotides SEQID (8)
E 321	No. of Bases conflict, this line has no nucleotides SEQID (8)
E 321	No. of Bases conflict, this line has no nucleotides SEQID (8)
E 321	No. of Bases conflict, this line has no nucleotides SEQID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 18 SEQID(9)
W 402	Undefined organism found in <213> in SEQ ID (10)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 18 SEQID(10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(12)
W 402	Undefined organism found in <213> in SEQ ID (13)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)

Input Set:

Output Set:

Started: 2008-05-19 13:46:26.804
Finished: 2008-05-19 13:46:30.379
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 575 ms
Total Warnings: 27
Total Errors: 36
No. of SeqIDs Defined: 27
Actual SeqID Count: 27

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(23)
W 213	Artificial or Unknown found in <213> in SEQ ID (24)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(24)
W 213	Artificial or Unknown found in <213> in SEQ ID (25)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(25)
W 213	Artificial or Unknown found in <213> in SEQ ID (26)
E 254	The total number of bases conflicts with running total Input: 0,

Input Set:

Output Set:

Started: 2008-05-19 13:46:26.804
Finished: 2008-05-19 13:46:30.379
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 575 ms
Total Warnings: 27
Total Errors: 36
No. of SeqIDs Defined: 27
Actual SeqID Count: 27

Error code	Error Description
	SEQID(26) This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (27)
E 323	Invalid/missing amino acid numbering SEQID (27) POS (1)
E 323	Invalid/missing amino acid numbering SEQID (27) at Protein (5)
E 321	No. of Bases conflict, this line has no nucleotides SEQID (27)
E 321	No. of Bases conflict, this line has no nucleotides SEQID (27)
E 321	No. of Bases conflict, this line has no nucleotides SEQID (27)

SEQUENCE LISTING

<110> Wagner, Hermann
Lipford, Grayson
Heeg, Klaus

<120> Pharmaceutical Compositions Comprising a
Polynucleotide and Optionally an Antigen Especially for
Vaccination

<130> C1041.70005US01

<140> 10811226
<141> 2008-05-19

<150> US 09/355,254
<151> 2000-02-22

<150> PCT/EP98/00367
<151> 1998-01-23

<150> EP 97101019.4
<151> 1997-01-23

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tcattggaaa acgttcttcg gggc

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accgatgacg tcgccggtga cggcaccacg

<210> 3
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<213> Artificial Sequence
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<223> Synthetic Oligopeptide

<400> 3
Ser Ile Ile Asn Phe Glu Lys Leu
24
30
1/6
<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence
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<223> Synthetic Oligonucleotide
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<223> Synthetic Oligonucleotide
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<223> Synthetic Oligonucleotide
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<400> 8

gattgcctga cgtcagagag

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2/6

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<400> 9

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<210> 10

<211> 18

<212> DNA

<213> Artificial Sequence

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equence

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<223> Synthetic Oligonucleotide

<400> 11

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<223> Synthetic Oligonucleotide

<400> 12

tcgatacgggg cggggcgagc

<210> 13

<211> 20

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<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 13

tgcagattgc gcaatctgca

<210> 14

18

18

20

20

3/6

<211> 20

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agcggggggcg agcggggggcg 20

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equence

<211> 24

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<213> Artificial

<220>

<223> Synthetic Oligonucleotide

<400> 15

tacttttcagt ttcattattac tcta 24

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<211> 20

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<223> Synthetic Oligonucleotide

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4/6
<213> Artificial Sequence
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<223> Synthetic Oligonucleotide

<400> 23
caggcataac ggttccgtag

<210> 24
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5/6
<223> Synthetic Oligonucleotide

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<223> Synthetic Oligonucleotide

<400> 27
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26
6/6